Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/22/2017 10:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126202	0	1.55	126020	1.52
Blue	F	SSC	125000	124556	-1	3.24	124808	3.04
Blue	E	FITC	23615	22835	-4	2.68	1022	10.58
Blue	D	PE	26739	26266	-2	2.21	944	10.18
Blue	B	PerCP-Cy5-5	48339	47750	-2	3.62	1375	17.77
Blue	A	PE-Cy7	45021	44422	-2	5.40	689	36.92
Red	C	APC	53064	52648	-1	2.81	3022	9.51
Red	A	APC-Cy7	57175	56380	-2	2.85	1182	11.20
Violet	B	V450	14728	14279	-4	4.98	677	9.72
Violet	A	V500	58621	57311	-3	4.89	2531	7.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19391	2.45	611	-3	N/A	N/A	Pass
Blue	F	SSC	61350	1.53	550	4	N/A	N/A	Pass
Blue	E	FITC	112	39.30	546	-2	0.0193	92	Pass
Blue	D	PE	204	30.44	538	2	0.1496	245	Pass
Blue	B	PerCP-Cy5-5	212	47.22	637	2	0.0090	79	Pass
Blue	A	PE-Cy7	72	126.30	695	2	0.0109	16	Pass
Red	C	APC	353	27.58	597	0	0.0201	54	Pass
Red	A	APC-Cy7	130	40.07	579	-1	0.0055	1626	Pass
Violet	B	V450	83	43.10	464	-6	0.0430	1842	Pass
Violet	A	V500	183	22.63	491	-6	0.0145	332	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.60	-31.01	0.97
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	17.24	14.40 - 21.60	N/A	N/A	30.64	31.24	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14124

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments